

AEC232 AC/DC Process Signal Trip-Transmitter/Isolator

- Suitable for combinations of Process V/I (DC) Input & Output signals
- True universal AC/DC supply voltage 21V through to 265V AC/DC

Technical Specifications

Input

The standard input signal is 4-20mA, other ranges are available on request.
Signals are routed into a pi network to develop a 1V span.

Analogue Output

The standard output signals are 4-20mA, other ranges are available on request.
The current source can be up to 20mA with a drive voltage of 13V. The voltage source can be up to 10V's, maximum drive 20mA.
The output current is configured as a source port as standard.
Input O/C Response: Downscale drive / 0mA

Relay Output

Trip gives set of change over contacts, rated at 250V AC 2A, 100VA resistive.
Green LED Trip status indicator.
Trip set point adjustment by 15 turn potentiometer.
Test Point (SP) to monitor trip Set Point setting.
4-20mA = 0.2 to 1V, with reference to input 0V.
Hysteresis set by 15 turn potentiometer (1 to 5% max)

Jumper settings

- User friendly DIL switches & Jumper links to change original factory settings.
1. Relay mode on Power Loss, N/C or N/O (J6A)
 2. Trip on High or Low input signal level: (S1)
 3. Relay Energised or De-energised on Trip (S3)
 4. Relay status LED On or Off in Trip state (S3)

Supply

Burden on supply 3W

Isolation

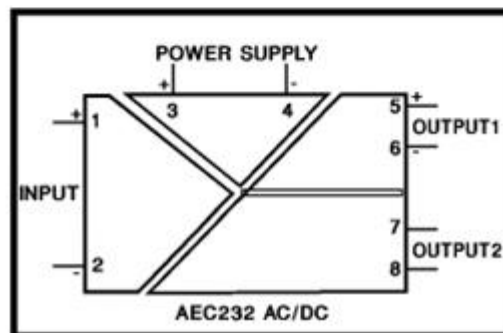
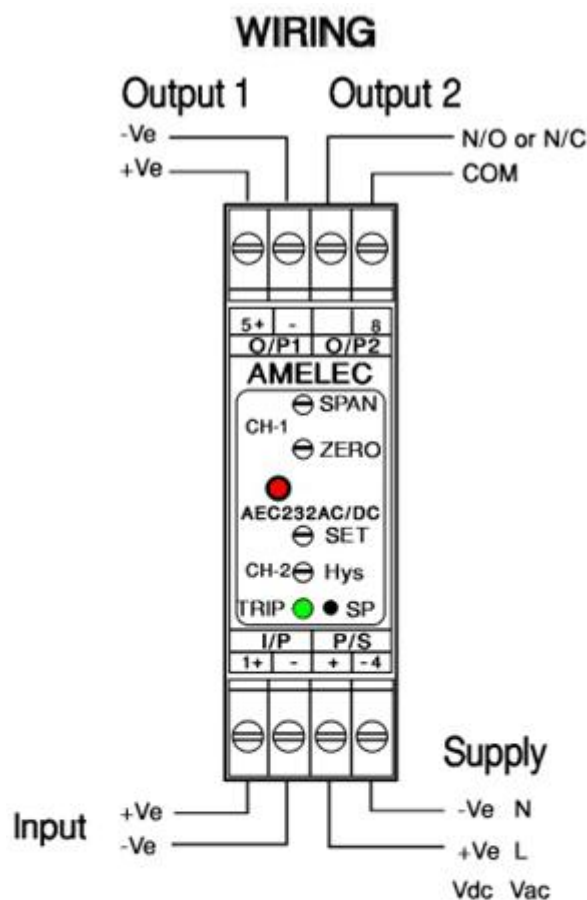
1000Vdc Input/Output/Contacts/Supply

Environmental Conditions

Storage Temperature: -20°C to +70°C
Operating Ambient: 0°C to +55°C
Relative Humidity: 5% to 95% RH

Dimensions/Mounting

Enclosure: 22.5w x 75h x 105d mm
Mounting: Din Rail (TS35)



| TRIP Mode | S1 | LO | HI |
|-----------|----|-----|-----|
| | 1 | OFF | ON |
| | 2 | ON | OFF |
| | 3 | ON | OFF |
| | 4 | OFF | ON |

| LED mode in TRIP | S3 | ENG | DE- ENG |
|--------------------|----|-----|---------|
| | 1 | OFF | ON |
| | 2 | ON | OFF |
| Relay mode in TRIP | S3 | ENG | DE- ENG |
| | 3 | OFF | ON |
| | 4 | ON | OFF |